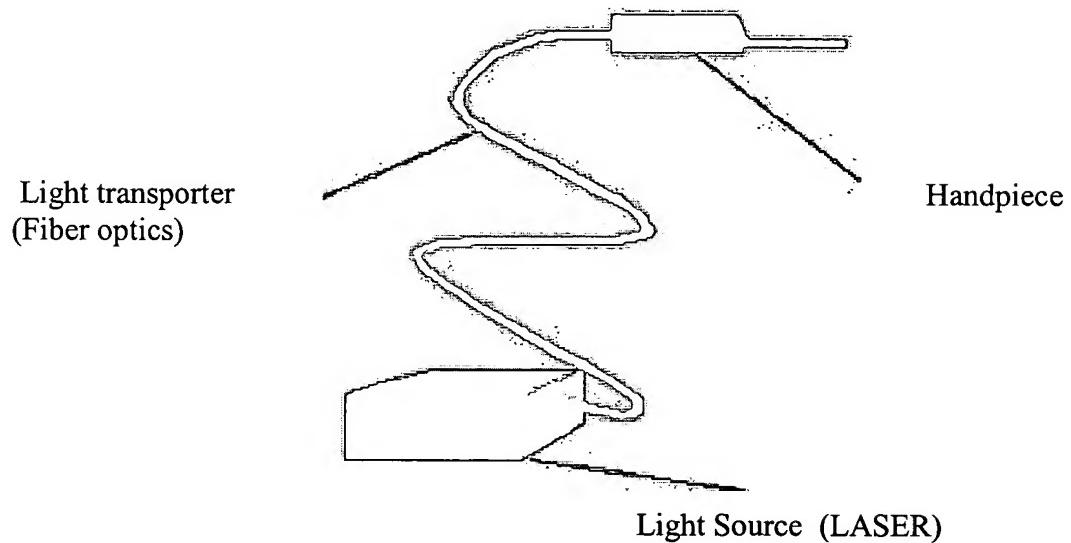


Figure 1: Major components of the device, the phacoilluminator



Detailimage of the handpiece and the its end part

- a) the handpiece
- b)-d) possible forms of the tip of the endparts with different optics

Figure 2A

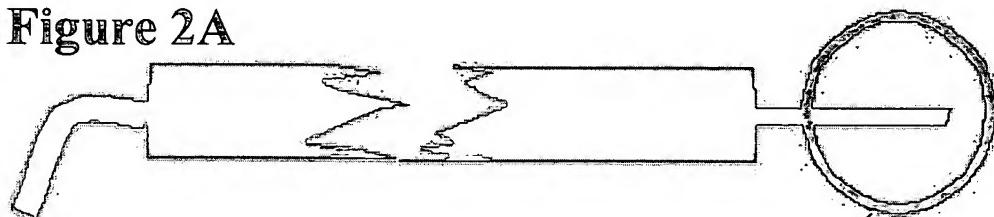


Figure 2B

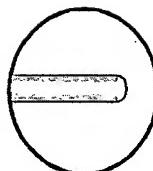


Figure 2C

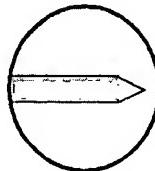


Figure 2D

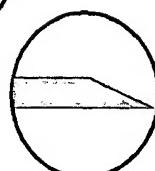
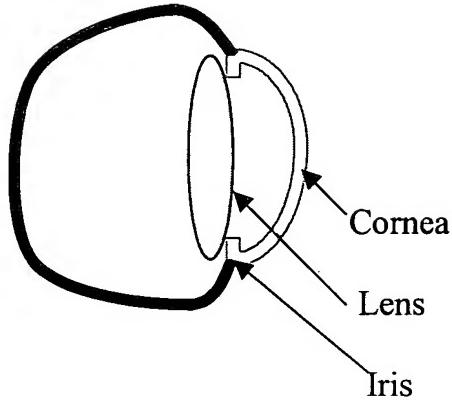


Figure 3:

The position of
the lens in the eye
(schematic from the side)



The capsulorhexis appearance

Figure 4A: with conventional illumination in the lens with dense cataract

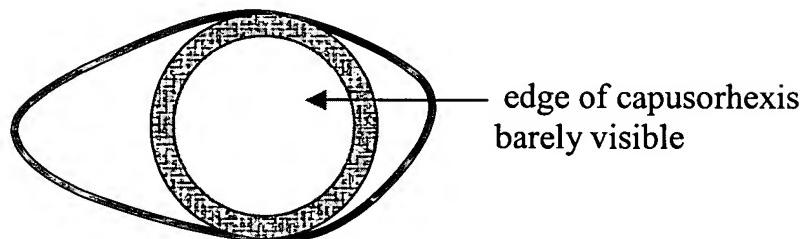
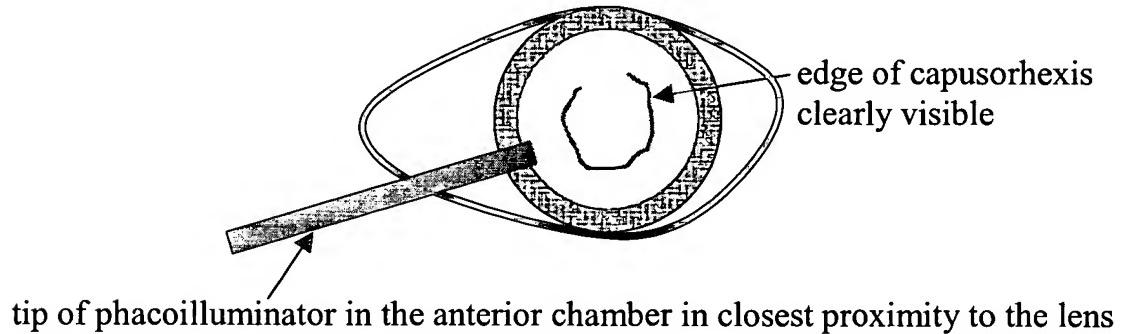
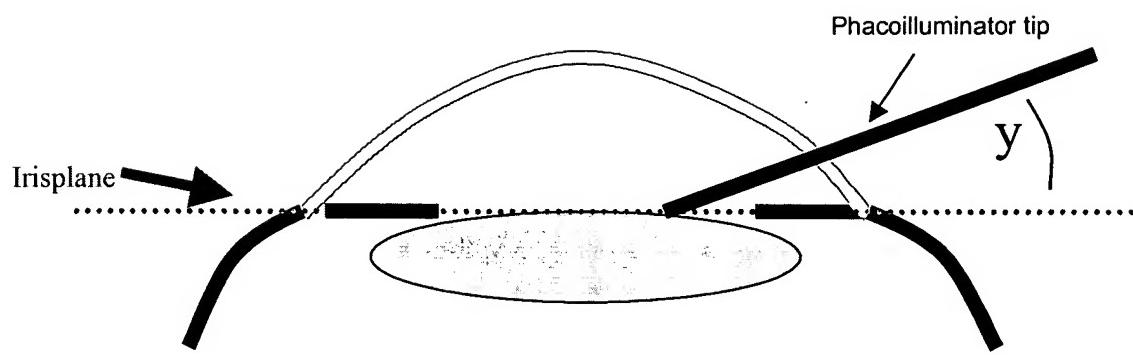


Figure 4B: with the use of the invention (phacoillumination)





The light can be directed into the eye from any direction, as long as it's not directly perpendicular to the front of the retina. The preferred angle (y) typically should be between 5 and 45 degrees from the irisplane

Figure 5